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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: [year=2008; month=12; day=9; hr=15; min=8; sec=49; ms=874;]

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Application No: 10567939 Version No: 1.0

Input Set:

Output Set:

Started: 2008-11-19 15:30:36.969
Finished: 2008-11-19 15:35:59.429
Elapsed: 0 hr(s) 5 min(s) 22 sec(s) 460 ms
Total Warnings: 6426
Total Errors: 9596
No. of SeqIDs Defined: 6464
Actual SeqID Count: 6464

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (1)
W 402	Undefined organism found in <213> in SEQ ID (2)
W 402	Undefined organism found in <213> in SEQ ID (3)
W 402	Undefined organism found in <213> in SEQ ID (4)
W 402	Undefined organism found in <213> in SEQ ID (5)
W 402	Undefined organism found in <213> in SEQ ID (6)
W 402	Undefined organism found in <213> in SEQ ID (7)
W 402	Undefined organism found in <213> in SEQ ID (8)
W 402	Undefined organism found in <213> in SEQ ID (9)
W 402	Undefined organism found in <213> in SEQ ID (10)
W 402	Undefined organism found in <213> in SEQ ID (11)
W 402	Undefined organism found in <213> in SEQ ID (12)
W 402	Undefined organism found in <213> in SEQ ID (13)
W 402	Undefined organism found in <213> in SEQ ID (14)
W 402	Undefined organism found in <213> in SEQ ID (15)
W 402	Undefined organism found in <213> in SEQ ID (16)
W 402	Undefined organism found in <213> in SEQ ID (17)
W 402	Undefined organism found in <213> in SEQ ID (18)
W 402	Undefined organism found in <213> in SEQ ID (19)
W 402	Undefined organism found in <213> in SEQ ID (20)

Input Set:

Output Set:

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Error code	Error Description	
This error has occurred more than 20 times, will not be displayed		
E 342	'n' position not defined	found at POS: 257 SEQID(55)
E 342	'n' position not defined	found at POS: 979 SEQID(576)
E 342	'n' position not defined	found at POS: 980 SEQID(576)
E 342	'n' position not defined	found at POS: 981 SEQID(576)
E 342	'n' position not defined	found at POS: 982 SEQID(576)
E 342	'n' position not defined	found at POS: 983 SEQID(576)
E 342	'n' position not defined	found at POS: 984 SEQID(576)
E 342	'n' position not defined	found at POS: 985 SEQID(576)
E 342	'n' position not defined	found at POS: 986 SEQID(576)
E 342	'n' position not defined	found at POS: 987 SEQID(576)
E 342	'n' position not defined	found at POS: 988 SEQID(576)
E 342	'n' position not defined	found at POS: 989 SEQID(576)
E 342	'n' position not defined	found at POS: 990 SEQID(576)
E 342	'n' position not defined	found at POS: 991 SEQID(576)
E 342	'n' position not defined	found at POS: 992 SEQID(576)
E 342	'n' position not defined	found at POS: 993 SEQID(576)
E 342	'n' position not defined	found at POS: 994 SEQID(576)
E 342	'n' position not defined	found at POS: 995 SEQID(576)
E 342	'n' position not defined	found at POS: 4246 SEQID(647)
E 342	'n' position not defined	found at POS: 4247 SEQID(647)
This error has occurred more than 20 times, will not be displayed		
E 341	'Xaa' position not defined	SEQID (4160) POS (12)

Input Set:

Output Set:

Started: 2008-11-19 15:30:36.969
Finished: 2008-11-19 15:35:59.429
Elapsed: 0 hr(s) 5 min(s) 22 sec(s) 460 ms
Total Warnings: 6426
Total Errors: 9596
No. of SeqIDs Defined: 6464
Actual SeqID Count: 6464

Error code	Error Description
E 341	'Xaa' position not defined SEQID (4160) POS (13)

Sequence Listing

<110> Alexander Abbas

Hilary Clark

Wenjun Ouyang

P. Mickey Williams

William I. Wood

Thomas D. Wu

<120> Compositions and Methods for the Treatment of Immune
Related Diseases

<130> GNE-0267-R1-1US

<140> 10567939

<141> 2008-11-19

<150> PCT/US2004/026249

<151> 2004-08-11

<150> US 60/493,546

<151> 2003-08-11

<160> 6464

<210> 1

<211> 562

<212> DNA

<213> Homo sapien

<400> 1

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gtAGACATCA AGGGAATGGG TACTGTTCAA AAAGGAATGC CCCACAAGTG 200

ttACCATGGC AAAACTGGAA GAGTCTACAA TGTTACCCAG CATGCTGCTG 250

gcATTGTTGT AAACGAACAA GTTAAGGGCA AGATTCTTGC CAAGAGAAATT 300

aatgtgcgta ttGAGCACAT TAAGCACTCT AAGAGCCGAG ATAACTTCCT 350

gaaACGTGTG AAGGRAGATG ATCAGGAAAA GRAAGAAGCC CAAGAGAAAG 400

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<211> 160
 <212> PRT
 <213> Homo sapien

<220>
 <221> unsure
 <222> 111, 117, 131
 <223> unknown amino acid

<400> 2

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Thr	Gly	Arg	Val	Tyr	Asn	Val	Thr	Gln	His	Ala	Ala	Gly	Ile	Val
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 <212> DNA
 <213> Homo sapien

<400> 3

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<211> 548

<212> PRT

<213> Homo sapien

<400> 4

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35 40 45

Val Asp Ser Gln Lys Glu Asn Glu Arg Trp Asn Val Ile Ser Lys
50 55 60

Ser Gln Leu Lys Asn Ile Lys Lys Met Trp His Arg Glu Gln Met
65 70 75

Lys Ser Glu Ser Arg Glu Lys Lys Glu Ala Glu Asp Ser Leu Arg
80 85 90

Arg Glu Lys Asn Leu Glu Glu Ala Lys Lys Ile Thr Ile Lys Asn
95 100 105

Asp Pro Ser Leu Pro Glu Pro Lys Cys Val Lys Ile Gly Ala Leu
110 115 120

Glu Gly Tyr Arg Gly Gln Arg Val Lys Val Phe Gly Trp Val His
125 130 135

Arg Leu Arg Arg Gln Gly Lys Asn Leu Met Phe Leu Val Leu Arg
140 145 150

Asp Gly Thr Gly Tyr Leu Gln Cys Val Leu Ala Asp Glu Leu Cys
155 160 165

Gln Cys Tyr Asn Gly Val Leu Leu Ser Thr Glu Ser Ser Val Ala
170 175 180

Val Tyr Gly Met Leu Asn Leu Thr Pro Lys Gly Lys Gln Ala Pro
185 190 195

Gly Gly His Glu Leu Ser Cys Asp Phe Trp Glu Leu Ile Gly Leu
200 205 210

Ala Pro Ala Gly Gly Ala Asp Asn Leu Ile Asn Glu Glu Ser Asp
215 220 225

Val Asp Val Gln Leu Asn Asn Arg His Met Met Ile Arg Gly Glu
230 235 240

Asn Met Ser Lys Ile Leu Lys Ala Arg Ser Met Val Thr Arg Cys
245 250 255

Phe Arg Asp His Phe Phe Asp Arg Gly Tyr Tyr Glu Val Thr Pro
260 265 270

Pro Thr Leu Val Gln Thr Gln Val Glu Gly Gly Ala Thr Leu Phe
275 280 285

Lys Leu Asp Tyr Phe Gly Glu Glu Ala Phe Leu Thr Gln Ser Ser
290 295 300

Gln Leu Tyr Leu Glu Thr Cys Leu Pro Ala Leu Gly Asp Val Phe
305 310 315

Cys Ile Ala Gln Ser Tyr Arg Ala Glu Gln Ser Arg Thr Arg Arg
 320 325 330

 His Leu Ala Glu Tyr Thr His Val Glu Ala Glu Cys Pro Phe Leu
 335 340 345

 Thr Phe Asp Asp Leu Leu Asn Arg Leu Glu Asp Leu Val Cys Asp
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 Val Val Asp Arg Ile Leu Lys Ser Pro Ala Gly Ser Ile Val His
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 Glu Leu Asn Pro Asn Phe Gln Pro Pro Lys Arg Pro Phe Lys Arg
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 Met Asn Tyr Ser Asp Ala Ile Val Trp Leu Lys Glu His Asp Val
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 Lys Lys Glu Asp Gly Thr Phe Tyr Glu Phe Gly Glu Asp Ile Pro
 410 415 420

 Glu Ala Pro Glu Arg Leu Met Thr Asp Thr Ile Asn Glu Pro Ile
 425 430 435

 Leu Leu Cys Arg Phe Pro Val Glu Ile Lys Ser Phe Tyr Met Gln
 440 445 450

 Arg Cys Pro Glu Asp Ser Arg Leu Thr Glu Ser Val Asp Val Leu
 455 460 465

 Met Pro Asn Val Gly Glu Ile Val Gly Ser Met Arg Ile Phe
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 Asp Ser Glu Glu Ile Leu Ala Gly Tyr Lys Arg Glu Gly Ile Asp
 485 490 495

 Pro Thr Pro Tyr Tyr Trp Tyr Thr Asp Gln Arg Lys Tyr Gly Thr
 500 505 510

 Cys Pro His Gly Gly Tyr Gly Leu Gly Leu Glu Arg Phe Leu Thr
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 <212> DNA
 <213> Homo sapien

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<212> PRT
<213> Homo sapien

<400> 6

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Glu	Ile	Ala	Asn	Ala	Asn	Ser	Arg	Gln	Gln	Ile	Arg	Lys	Leu	Ile
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Lys	Asp	Gly	Leu	Ile	Ile	Arg	Lys	Pro	Val	Thr	Val	His	Ser	Arg
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Met	Gly	Ile	Gly	Lys	Arg	Lys	Gly	Thr	Ala	Asn	Ala	Arg	Met	Pro
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Glu	Lys	Val	Thr	Trp	Met	Arg	Arg	Met	Arg	Ile	Leu	Arg	Arg	Leu
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Leu	Arg	Arg	Tyr	Arg	Glu	Ser	Lys	Lys	Ile	Asp	Arg	His	Met	Tyr
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His	Ser	Leu	Tyr	Leu	Lys	Val	Lys	Gly	Asn	Val	Phe	Lys	Asn	Lys
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Arg Ile Leu Met Glu His Ile His Lys Leu Lys Ala Asp Lys Ala
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Arg Lys Lys Leu Leu Ala Asp Gln Ala Glu Ala Arg Arg Ser Lys
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<210> 7

<211> 1200

<212> DNA

<213> Homo sapien

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gttggatCCA cttGAACAAG caAAAGTgGA tttggTTTCT gcataCACAT 250

tAAATTCAAT gttttgggTT tATTTGGCAA cccAAGGAGT taATCCTAAG 300

gaACATCCAG tAAAACAGGA atTggAAAGA atCAGAGTat ATATGAACAG 350

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ttctttgtAA acATTGtAC tatttAAAT GAATAATGAC CTTATGAAGT 850

atGCTATCTG TAGGCTGAAA ttATAGGTAC atCTGTTTC ACTATATGAT 900

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tctatgtccc atttaaaata aaatacattc tcattaactt tagatggaa 1100

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<211> 141

<212> PRT

<213> Homo sapien

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35 40 45

Lys Leu Asp Pro Leu Glu Gln Ala Lys Val Asp Leu Val Ser Ala
50 55 60

Tyr Thr Leu Asn Ser Met Phe Trp Val Tyr Leu Ala Thr Gln Gly
65 70 75

Val Asn Pro Lys Glu His Pro Val Lys Gln Glu Leu Glu Arg Ile
80 85 90

Arg Val Tyr Met Asn Arg Val Lys Glu Ile Thr Asp Lys Lys Lys
95 100 105

Ala Gly Lys Leu Asp Arg Gly Ala Ala Ser Arg Phe Val Lys Asn
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Ala Leu Trp Glu Pro Lys Ser Lys Asn Ala Ser Lys Val Ala Asn
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Lys Gly Lys Ser Lys Ser
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<211> 2567

<212> DNA

<213> Homo sapien

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caactcatgt ccctcatcat caatacccttc tattccaaca aggagatttt 200
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